

IN THE CLAIMS:

Please amend Claims 1, 11, 16, 21, 26, 26, 31, 32 and 37 as shown below. The claims, as pending in the subject application, now read as follows:

1. (Currently amended) A print system comprising:

an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, wherein said image processing apparatus has a print function ~~that can be used by the plurality of image processing functions for printing data on a recording medium;~~ and

an information processing apparatus for generating print data to be transferred to said image processing apparatus,

wherein said information processing apparatus acquires, from said image processing apparatus, information indicating the function status of the plurality of image processing functions, also executes a process of transferring the generated print data to said image processing apparatus and displays the function status of the plurality of image processing functions on a display unit based on the acquired information, and

wherein, when a copy function included in ~~place of one of the plurality of image processing functions~~ ~~another one of the plurality of image processing functions~~ obtains the print function, said information processing apparatus displays information indicating that the copy ~~another image processing function is being executed~~ and information showing that the print one ~~image processing function based on the generated print data~~ cannot be executed.

2. (Original) A print system according to claim 1, wherein said information processing apparatus displays the function status of the plural image processing functions in a single image, based on the acquired information.

3. (Original) A print system according to claim 1, wherein said information processing apparatus is adapted to display, on the display unit, that the generated print data are being transferred to said image processing apparatus.

4. (Original) A print system according to claim 1, wherein said information processing apparatus discriminates, based on the acquired information, whether an image processing function of higher priority is executed in said image processing apparatus and, in case of a discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

5. (Original) A print system according to claim 4, wherein said information processing apparatus, simultaneously with the emphasized display of the function status of the image processing function of higher priority, suspends the transfer process of the print data to said image processing apparatus.

6. (Previously presented) A print system according to claim 1, wherein said information processing apparatus acquires, from said image processing apparatus, the information indicating the function status of the plurality of image processing functions, for every transfer of the print data of a page.

7. (Previously presented) A print system according to claim 1, wherein said image processing apparatus acquires information indicating the function status of the plurality of image processing functions, manages the acquired information in unified manner in a storage unit, and renews the information stored in said storage unit in response to a change in the function status.

8. (Previously presented) A print system according to claim 7, wherein said image processing apparatus transmits the information stored in said storage unit to said information processing apparatus, in response to a print request from said information processing apparatus or to a request from said information processing apparatus for acquiring the information indicating the function status.

9. (Original) A print system according to claim 1, wherein said image processing functions include a print function for executing printing based on data from said information processing apparatus, a copy function and a facsimile function.

10. (Original) A print system according to claim 1, wherein said image processing apparatus comprises a print unit for executing printing, and said print is used by one of the plural image processing functions.

11. (Currently amended) An image processing apparatus for executing an image processing function selected from among a plurality of image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, ~~said image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium~~, said image processing apparatus comprising:

acquisition means for acquiring information indicating the function status of the plurality of image processing functions;

management means for managing the information acquired by said acquisition means in unified manner in a storage means;

control means for monitoring the change in the function status indicated by the information acquired by the acquisition means and renewing the information stored in the storage means in response to a change in the function status; and

transmission means for transmitting information to the information processing apparatus when a copy function included in place of one of the plurality of image processing functions ~~another one of the plurality of image processing functions~~ uses the print function, the information indicating that the copy another image processing function is being executed and information showing that the print one image processing function based on the generated print data cannot be executed, such that the information can be displayed by the information processing apparatus.

12. (Original) An image processing apparatus according to claim 11, further comprising information means for informing said information processing apparatus of the information stored in said storage means, based on the print request from said information processing apparatus.

13. (Previously presented) An image processing apparatus according to claim 11, further comprising an informing means for informing said information processing apparatus of the information stored in said storage means, based on a request from said information processing apparatus for information indicating the function status.

14. (Original) An image processing apparatus according to claim 11, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

15. (Original) An image processing apparatus according to claim 11, further comprising printing means for printing on a sheet, wherein said printing means is used by one of the plural image processing functions.

16. (Currently amended) An information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the image processing apparatus having a print function ~~that can be used by the plurality of image processing~~

~~functions for printing data on a recording medium~~, said information processing apparatus comprising:

generation means for generating print data to be transferred to the image processing apparatus;

acquisition means for acquiring, from the image processing apparatus, information indicating the function status of the plurality of image processing functions; and

control means for controlling a process of transferring the print data generated by said generating means to the image processing apparatus and controlling a display for displaying the function status of the plurality of image processing functions on a display unit based on the information acquired by said acquisition means,

wherein, when a copy function included ~~in place of one of the plurality of image processing functions~~ ~~another one of the plurality of image processing functions~~ obtains the print function, said information processing apparatus displays information indicating that the copy ~~another image processing function is being executed~~ and information showing that the print one ~~image processing function~~ based on the generated print data cannot be executed.

17. (Previously presented) An information processing apparatus according to claim 16, wherein said display control means is capable, based on the information acquired by said acquisition means, of displaying the function status of the plural image processing functions on a single image by graphics, text and animation.

18. (Original) An information processing apparatus according to claim 16, wherein said display control means discriminates, based on the information acquired by said

acquisition means, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

19. (Original) An information processing apparatus according to claim 16, wherein said display control means displays a text indicating the function status of the image processing function of higher priority in an emphasized manner by a layout in a predetermined area of the display unit.

20. (Original) An information processing apparatus according to claim 16, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

21. (Currently amended) A control method for an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, said image processing apparatus having a print function ~~that can be used by the plurality of image processing functions for printing data on a recording medium~~, said control method comprising steps of:

acquiring information indicating the function status of the plurality of image processing functions;

managing the acquired information in unified manner in storage means;

monitoring the change in the function status indicated by the acquired information and renewing the information stored in the storage means in response to a change in the function status; and

transmitting information to the information processing apparatus when a copy function included in ~~place of one of the plurality of image processing functions~~ another one of the plurality of image processing functions uses the print function, the information indicating that the copy ~~another image processing function~~ is being executed and information showing that the print one image processing function based on the generated print data cannot be executed, such that the information can be displayed by the information processing apparatus.

22. (Original) A control method according to claim 21, further comprising a step of informing said information processing apparatus of the information stored in said storage means, based on the print request from said information processing apparatus.

23. (Original) A control method according to claim 21, wherein the information stored in said storage means is informed to said information processing apparatus, based on a request from said information processing apparatus for information indicating the function status.

24. (Original) A control method according to claim 21, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.



25. (Original) A control method according to claim 21, wherein said image processing apparatus includes printing means for printing on a sheet, wherein said printing means is used by one of the plural image processing functions.

26. (Currently amended) A status display method for an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the method comprising steps of

acquiring, from said image processing apparatus, information indicating the function status of the plurality of image processing functions; and

executing a process of transferring the generated print data to said image processing apparatus and displaying the function status of the plurality of image processing functions on a display unit based on the acquired information,

wherein, when a copy function included in place of one of the plurality of image processing functions ~~another one of the plurality of image processing functions~~ obtains the print function, said information processing apparatus displays information indicating that the copy ~~another image processing function is being executed~~ and information showing that the print one image processing function based on the generated print data ~~cannot be executed~~.

27. (Previously presented) A status display method according to claim 26, wherein the function status of the plurality of image processing functions can be displayed, based on the acquired information, on a single image by graphics, text and animation.

28. (Original) A status display method according to claim 26, further comprising discriminating, based on the acquired information, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displaying the function status of the image processing function of such high priority in an emphasized manner.

29. (Original) A status display method according to claim 26, wherein a text indicating the function status of the image processing function of higher priority is displayed in an emphasized manner by a layout in a predetermined area of the display unit.

30. (Original) A status display method according to claim 26, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

31. (Currently amended) A program stored on a computer-readable medium for controlling an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, said image processing apparatus having a print function ~~that can be used by the plurality of image processing functions for printing data on a recording medium~~, said program comprising:

an acquisition step of acquiring information indicating the function status of the plurality of image processing functions;

a management step of managing the information acquired in said acquisition step in unified manner in storage means;

a control step of monitoring the change in the function status indicated by the information acquired by said acquisition step and renewing the information stored in the storage means in response to a change in the function status; and

a transmitting step of transmitting information to the information processing apparatus when a copy function included in ~~place of one of the plurality of one of the plurality of image processing functions~~ another one of the plurality of image processing functions uses the print function, the information indicating that the copy function is being executed ~~another image processing functions uses the print function~~, the information indicating that the print ~~another image processing function based on the generated print data and showing that the one image processing function~~ cannot be executed, such that the information can be displayed by the information processing apparatus.

32. (Currently amended) A program stored on a computer-readable medium for controlling an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the program comprising:

a generation step of generating the print data to be transferred to said image processing apparatus;

an acquisition step of acquiring, from the image processing apparatus, information indicating the function status of the plurality of image processing functions; and

a control step of controlling a process of transferring the print data generated by said generation step to the image processing apparatus and displaying the function status of the plurality of image processing functions on a display unit based on the information acquired by said acquisition step,

wherein, when a copy function included in place of one of the plurality of image processing functions ~~another one of the plurality of image processing functions~~ obtains the print function, said information processing apparatus displays information indicating that the copy ~~another image processing function is being executed~~ and information showing that the print one ~~image processing function based on the generated print data~~ cannot be executed.

33. (Previously presented) A program stored on a computer-readable medium according to claim 32, wherein the function status of the plural image processing functions can be displayed, based on the information acquired by the acquisition step, on a single image by graphics, text and animation.

34. (Previously presented) A program stored on a computer-readable medium according to claim 32, wherein said display control step discriminates, based on the information acquired in said acquisition step, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

35. (Previously presented) A program stored on a computer-readable medium according to claim 32, wherein said display control step displays a text indicating the function status of the image processing function of higher priority in an emphasized manner by a layout in a predetermined area of the display unit.

36. (Previously presented) A program stored on a computer-readable medium according to claim 32, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

37. (Currently amended) A computer readable memory medium storing a program for controlling an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the image processing apparatus having a print function ~~that can be used by the plurality of image processing functions for printing data on a recording medium~~, said program comprising:

a generation step of generating the print data to be transferred to said image processing apparatus;

an acquisition step of acquiring, from the image processing apparatus, information indicating the function status of the plurality of image processing functions; and

a control step of controlling a process of transferring the print data generated by said generation step to the image processing apparatus and controlling a display for the function status of the plurality of image processing functions on a display unit based on the information acquired by said acquisition step,

wherein, when a copy function included in place of one of the plurality of image processing functions ~~another one of the plurality of image processing functions~~ obtains the print function, said information processing apparatus displays information indicating that the copy ~~another image processing function is being executed~~ and information showing that the print one ~~image processing function based on the generated print data~~ cannot be executed.

38. (Previously presented) A memory medium according to claim 37, wherein said display control step can display the function status of the plurality of image processing functions, based on the information acquired by the acquisition step, on a single image by graphics, text and animation.

39. (Original) A memory medium according to claim 37, wherein said display control step discriminates, based on the information acquired in said acquisition step, whether an image processing function of higher priority is executed in said image processing apparatus, and, in case of discrimination that a processing function of higher priority is executed, displays the function status of the image processing function of such high priority in an emphasized manner.

40. (Original) A memory medium according to claim 37, wherein said display control step displays a text indicating the function status of the image processing function of higher priority in an emphasized manner by a layout in a predetermined area of the display unit.

41. (Original) A memory medium according to claim 37, wherein said image processing functions include a print function for executing printing based on data from the information processing apparatus, a copy function and a facsimile function.

42. (Previously presented) An image processing apparatus for executing an image processing function selected from among a plurality of image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, said image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium, said image processing apparatus comprising:

transmission means for transmitting information to the information processing apparatus in the event that while one of the plurality of image processing functions uses the print function, another one of the plurality of image processing functions obtains the currently used print function, the information indicating that the one image processing function cannot be executed, such that the information can be displayed by the information processing apparatus.

43. (Previously presented) An image processing apparatus according to claim 42, wherein the one image processing function is a function for printing data received from the information processing apparatus, and the another image processing function is a copy function

or a facsimile function, wherein the copy function or facsimile function obtains the currently used print function by an interrupt process, and wherein the information indicates that the function for printing data from the information processing apparatus cannot be executed.

44. (Previously presented) An image processing apparatus according to claim 42, wherein in the event that while one of the plurality of image processing functions uses the print function, another one of the plurality of image processing functions obtains the currently used print function, said transmission means transmits information indicating the another image processing function to the information processing apparatus.

45. (Previously presented) An information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium, said information processing apparatus comprising:

control means for controlling a process of transferring the print data generated by said generating means to the image processing apparatus and controlling a display for displaying the function status of the plurality of image processing functions on a display unit,

wherein, when in place of one of the plurality of image processing functions another one of the plurality of image processing functions obtains the print function, said information processing apparatus displays on the display unit information indicating that the one image processing function cannot be executed.



46. (Previously presented) An information processing apparatus according to claim 45, wherein the one image processing function is a function for printing data received from said information processing apparatus, and the another image processing function is a copy function or a facsimile function, wherein the copy function or facsimile function obtains the currently used print function by an interrupt process, and wherein the information indicates that the function for printing data from said information processing apparatus cannot be executed.

47. (Previously presented) An information processing apparatus according to claim 45, wherein in the event that while one of the plurality of image processing functions uses the print function, another one of the plurality of image processing functions obtains the currently used print function, said control means controls the display unit to display information indicating the another image processing function.

48. (Previously presented) A method of operating an image processing apparatus executing an image processing function selected from among a plurality of image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, said image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium, said method comprising:

transmitting information to the information processing apparatus in the event that while one of the plurality of image processing functions uses the print function, another one of the plurality of image processing functions obtains the currently used print function, the information indicating that the one image processing function cannot be executed, such that the information can be displayed by the information processing apparatus.

49. (Previously presented) A method of operating an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium, said method comprising:

controlling a process of transferring the print data generated by said generating means to the image processing apparatus and controlling a display for displaying the function status of the plurality of image processing functions on a display unit,

wherein, when in place of one of the plurality of image processing functions another one of the plurality of image processing functions obtains the print function, said information processing apparatus displays on the display unit information indicating that the one image processing function cannot be executed.

50. (Previously presented) A computer-readable medium storing a program for operating an image processing apparatus executing an image processing function selected from among a plurality of image processing functions based on a print request from an information processing apparatus or an image processing request from an operation unit, said image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium, said program comprising:

transmitting information to the information processing apparatus in the event that while one of the plurality of image processing functions uses the print function, another one of the plurality of image processing functions obtains the currently used print function, the information indicating that the one image processing function cannot be executed, such that the information can be displayed by the information processing apparatus.

51. (Previously presented) A computer-readable medium storing a program for operating an information processing apparatus for transferring print data by communication with an image processing apparatus for executing an image processing function selected from among a plurality of image processing functions, the image processing apparatus having a print function that can be used by the plurality of image processing functions for printing data on a recording medium, said program comprising:

controlling a process of transferring the print data generated by said generating means to the image processing apparatus and controlling a display for displaying the function status of the plurality of image processing functions on a display unit,

wherein, when in place of one of the plurality of image processing functions another one of the plurality of image processing functions obtains the print function, said information processing apparatus displays on the display unit information indicating that the one image processing function cannot be executed.